

# JOURNAL OF LOW TEMPERATURE PHYSICS

The *Journal of Low Temperature Physics* is an international medium for the publication of original papers on fundamental theoretical and experimental research in low temperature physics. Typical subject areas are:

- Properties of Fermi and Bose systems, especially in the condensed phases, and of the hydrogen and helium isotopes;
- Superfluidity and the properties of quantum fluids and solids;
- Properties of isotopic mixtures at low temperatures;
- Superconductivity;
- Phase transitions at low temperatures;
- Thermal properties, thermodynamics, and statistical mechanics of low temperature phenomena;
- Lattice dynamics, phonon phenomena, acoustic, mechanical, and optical properties of substances at low temperatures;
- Electronic properties of metals, semiconductors, and alloys including Fermi surfaces, oscillatory phenomena, magnetoelectrical effects, acoustic properties, and transport phenomena at low temperatures;
- Magnetism at low temperatures including paramagnetic, ferromagnetic, and antiferromagnetic properties and including the behavior of dilute alloys and nuclear spin systems;
- Surface phenomena at low temperatures.

Occasionally review articles will be included. No papers solely of a technical or applied nature will be accepted.

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